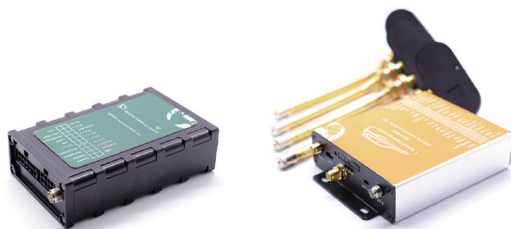


AT07

AT09



AT07/09 series product is a STM32 MCU platform product. it offers 2G and 3G networking.

 2G, 3G	 GPS/Glonass
 9 - 60V	 800mAh(Li-polymer)
 Standard size SIM	 Micro USB interface
 2M Storage, 8000 or 16000pcs data.	 3 axis sensor detect movement or stop

Firmware Feature

-  remote parameter reading
-  remote oil cut off
-  sms alarm center
-  RS232 interface
-  RFID driver identification
-  firmware OTA
-  capacitor fuel interface
-  camera - picture capture
-  MOBOIEYE integrated
-  GARMIN FMI intergrated
-  firmware customization

AT07/09 series is designed for fleet management purpose, providing a wide range voltage input to suit different types of vehicle: truck, taxi, cold chain transport and other commercial fleet.



Environment specification		
Temperature	Operating: -20 °C to 60 °C	
	Battery charge: 0 °C to 45 °C	Battery discharge: -20 °C to 60 °C
	Storage: -20 °C to 60 °C	
Humidity	5% to 95% Non-condensing	
Electrical Specification		
Power supply range	DC 9 - 50 V	
Maximum current drain	idel: 50mA @ 12V	
	sleep: 33mA @ 12V	
	deep sleep: 23mA @ 12V	
Maximum current drain when battery charging	sending data: 100mA @ 12V	
	115mA @ 12V	
Connectivity		
2G/GPRS/GSM	Quectel M35 for AT07,AT09 2G version	
	850/900/1800/1900Mhz @ GSM	
3G/WCDMA	Quectel UC15 for AT07,AT09 3G version	
	900/2100Mhz or 850/1900Mhz or 850/2100Mhz @ UMTS	
LTE / 4G	Quectel EG95 for AT07 4G	
	B1/B3/B7/B8/B20/B28 @ LTE FDD, B1/B8 @ WCDMA,	
	B2/B4/B5/B12/B13 @ LTE FDD, B2/B4/B5 @ WCDMA,	
	B2/B4/B5/B12/B13/B25/B26 @ LTE FDD, B2/B4/B5 @ WCDMA,	
	Quectel EC25 for AT09 4G (More band info, contact our sales team)	
	B1/B3/B7/B8/B20/ @ LTE FDD, B1/B8 @ WCDMA,	
GNSS module (GPS/Glonass)	B2/B4/B12@ LTE FDD, B2/B4/B5 @ WCDMA,	
	Frequency: 1575.42Mhz (GPS), 1601.71Mhz (Glonass)	
	Acquisition sensitivity: -148dBm	
	Tracking sensitivity: -162dBm	
	Reacquisition sensitivity: -160dBm	
	CEP: 2.5m	
	(AT07,AT09 2G version built with GPS only)	

TPMS Reciever	433Mhz
(For AT09 2G/3G TPMS version only)	

IO Interface	AT07	AT09
Digital input		
positive trigger	2	2
negative trigger	2	3
Digital output	3 (2 for AT07 3G)	3
Analog input	1	4
1-Wire	1	2
Mic & Speaker	1	1
Serial Port		
RS232	1	2
RS485	---	1
SOS input	1	1

Package information

GPS tracker AT07 / 09	GPS antenna	IO Cable
GSM antenna (AT09 only)	TPMS antenna (AT09 TPMS)	

Optional Accessories

GARMIN fleet navigatior	Mobileye ADAS unit	Omicomm fuel sensor
buzzer	door sensor	FL05 Capacitor fuel sensor
LED lamp	OBD reader	finger print reader
RFID reader	iButton reader	temperature probe
camera	speaker/microphone	

Ordering information

AT07 2G

AT07 3G

AT07 4G

AT07 LTE CAT M1/NB-IoT

AT09 2G

AT09 2G with TPMS

AT09 3G

AT09 3G with TPMS

AT09 4G

TOTEM TECHNOLOGY CO LTD

www.totemtek.com info@totemtek.com

Address: Room 502-503, Hesheng Building, No.633, Bulong Road, Ban Tian, Long Gang District, Shen Zhen, China

TOTEMTEK
— Design n manufacture telematics —

Ver: EN 2.0